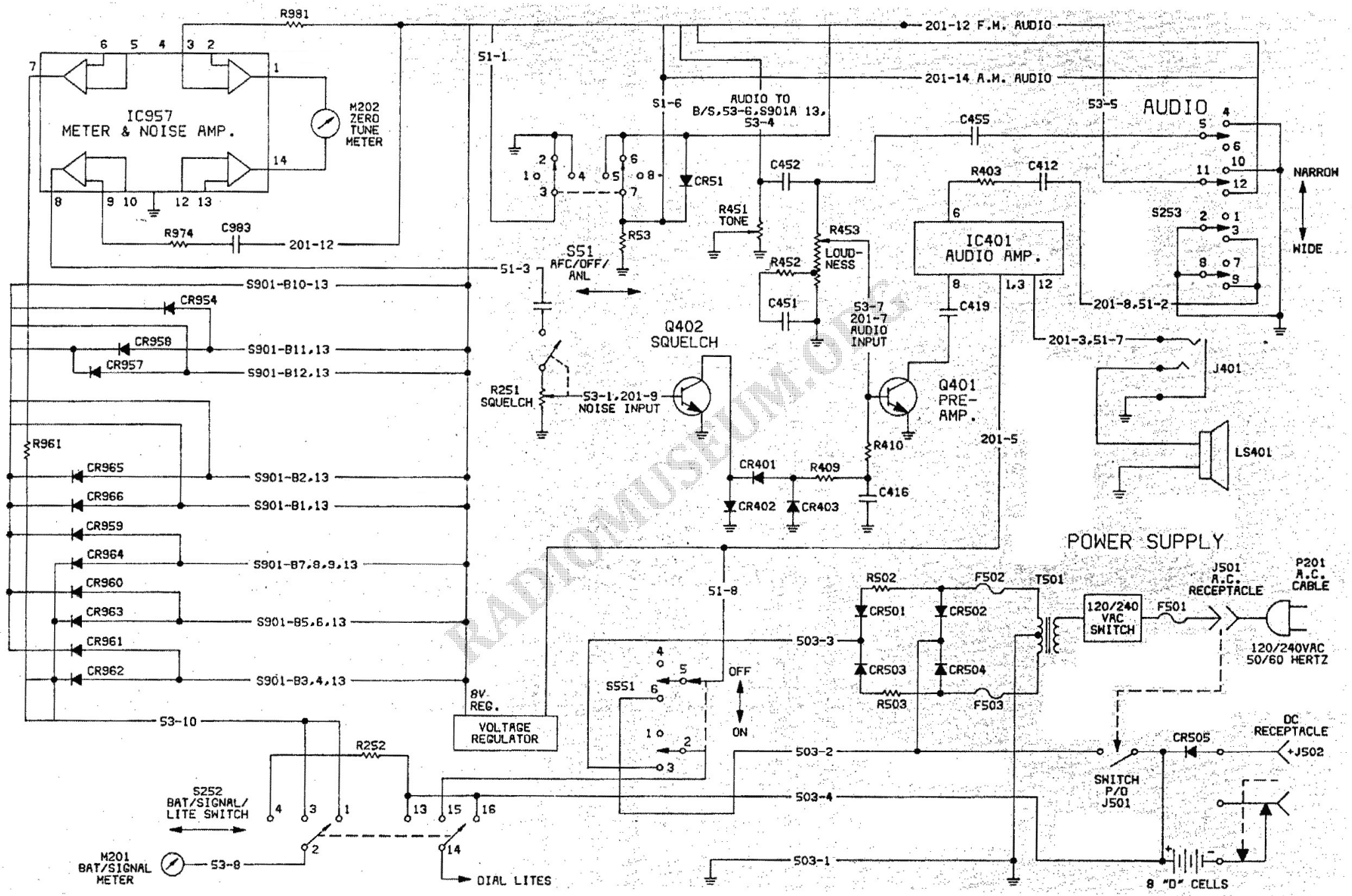


FIGURE C103 – BLOCK DIAGRAM, B+, AFC, AND AGC SIGNAL PATHS.

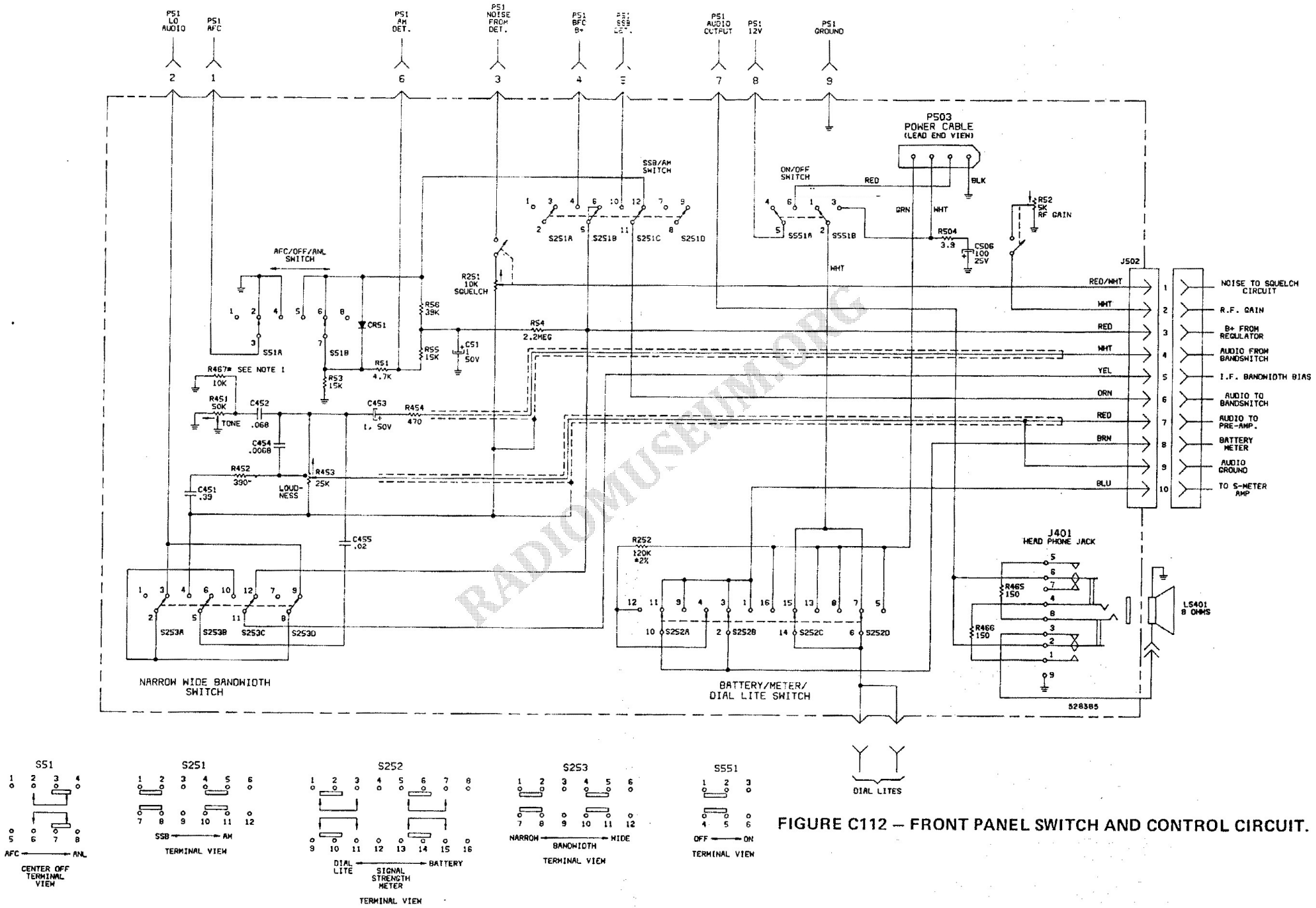
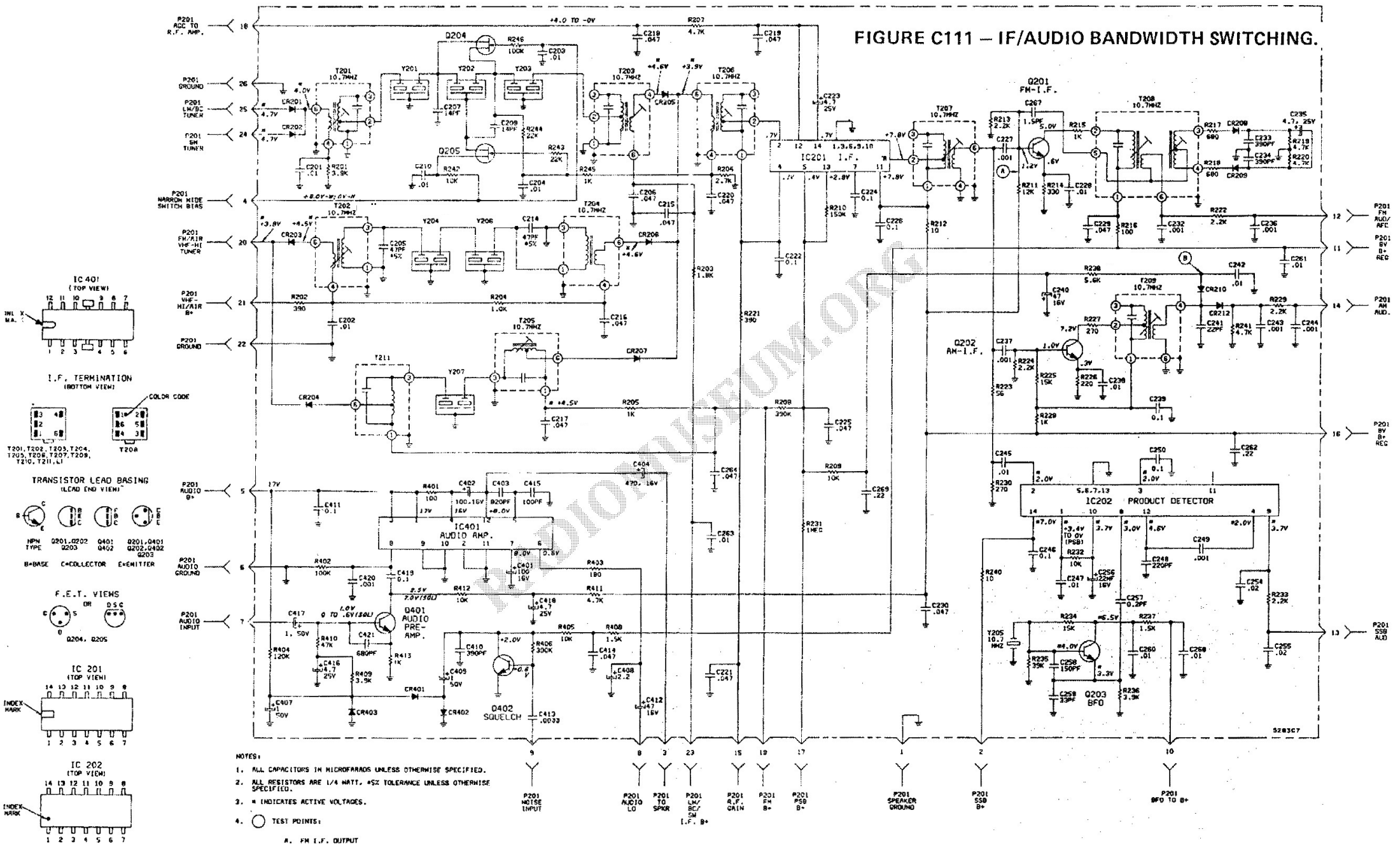


FIGURE C112 – FRONT PANEL SWITCH AND CONTROL CIRCUIT.

FIGURE C111 – IF/AUDIO BANDWIDTH SWITCHING.



IC 401 (TOP VIEW)

I.F. TERMINATION (BOTTOM VIEW)

COLOR CODE

T201, T202, T203, T204, T205, T206, T207, T209, T210, T211, L1

T208

TRANSISTOR LEAD BASING (LEAD END VIEW)

NPN TYPE	Q201,Q202 Q203	Q401 Q402	Q201,Q401 Q202,Q402 Q203

B=BASE C=COLLECTOR E=EMITTER

F.E.T. VIEWS

Q204, Q205

IC 201 (TOP VIEW)

IC 202 (TOP VIEW)

NOTES:

1. ALL CAPACITORS IN MICROFARADS UNLESS OTHERWISE SPECIFIED.
2. ALL RESISTORS ARE 1/4 WATT, ±5% TOLERANCE UNLESS OTHERWISE SPECIFIED.
3. * INDICATES ACTIVE VOLTAGES.
4. ○ TEST POINTS:
   - A. FM I.F. OUTPUT
   - B. AM I.F. OUTPUT (SWEEP ALIGNMENT)

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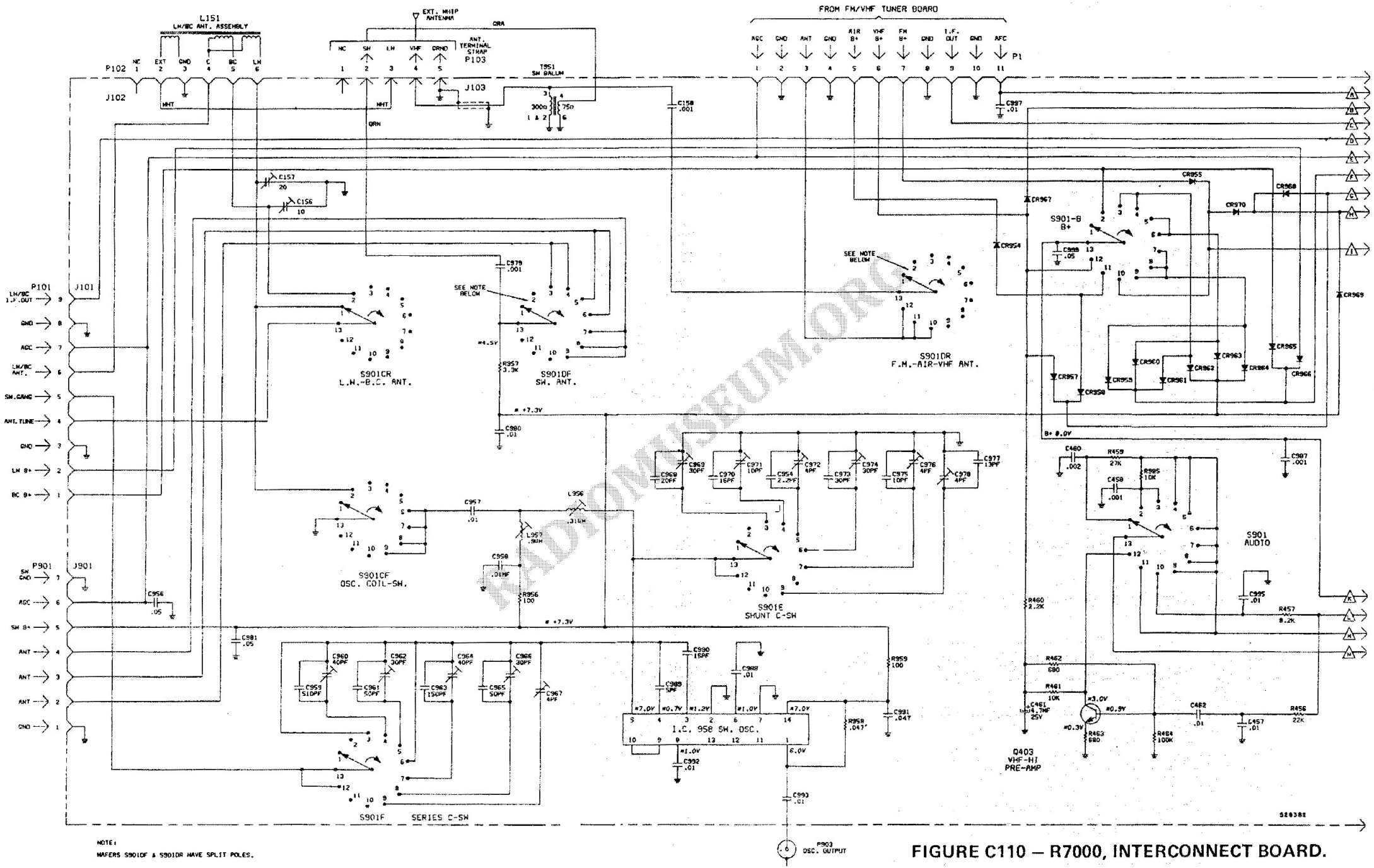

FIGURE C110 — R7000, INTERCONNECT BOARD.

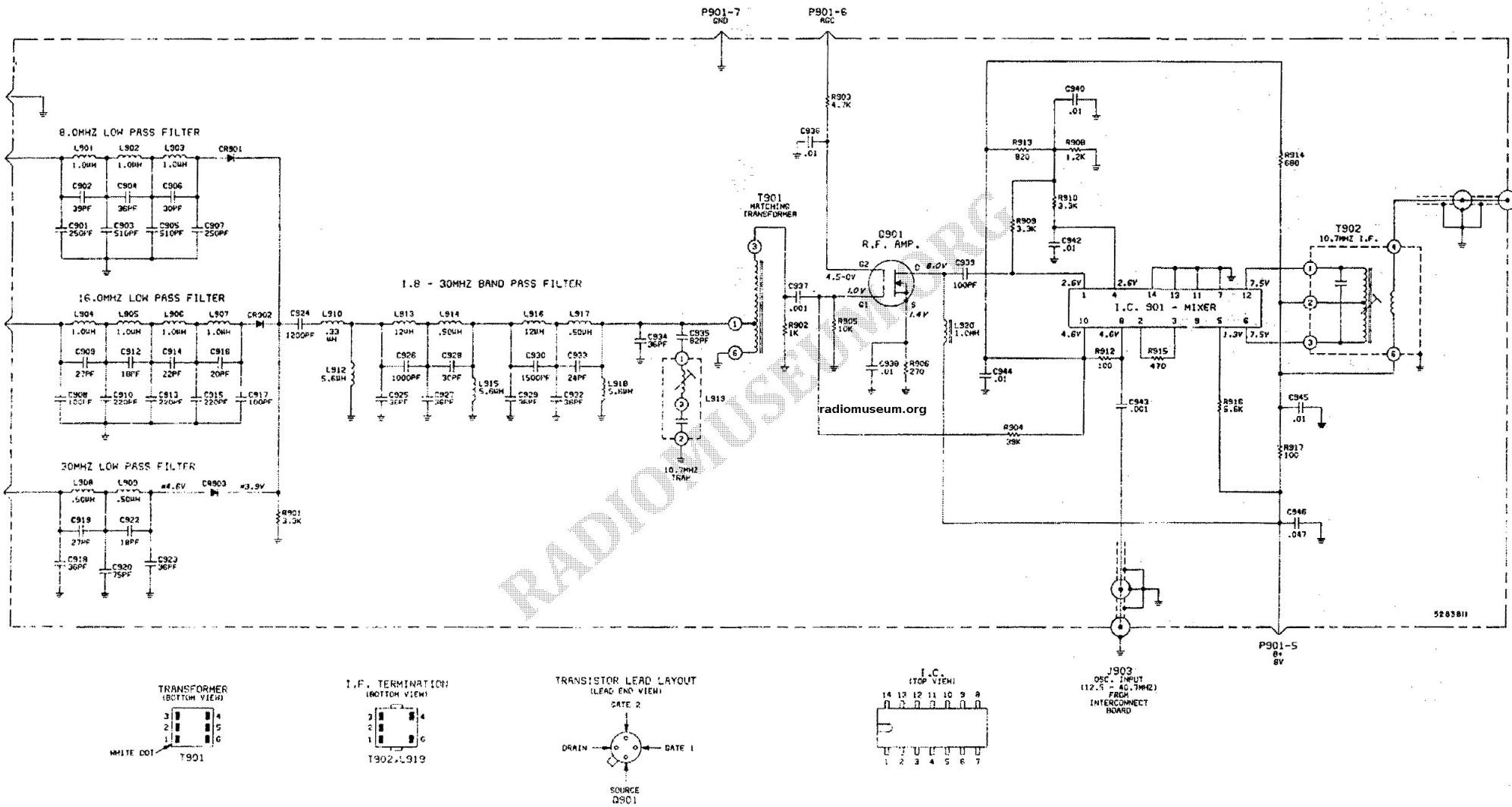

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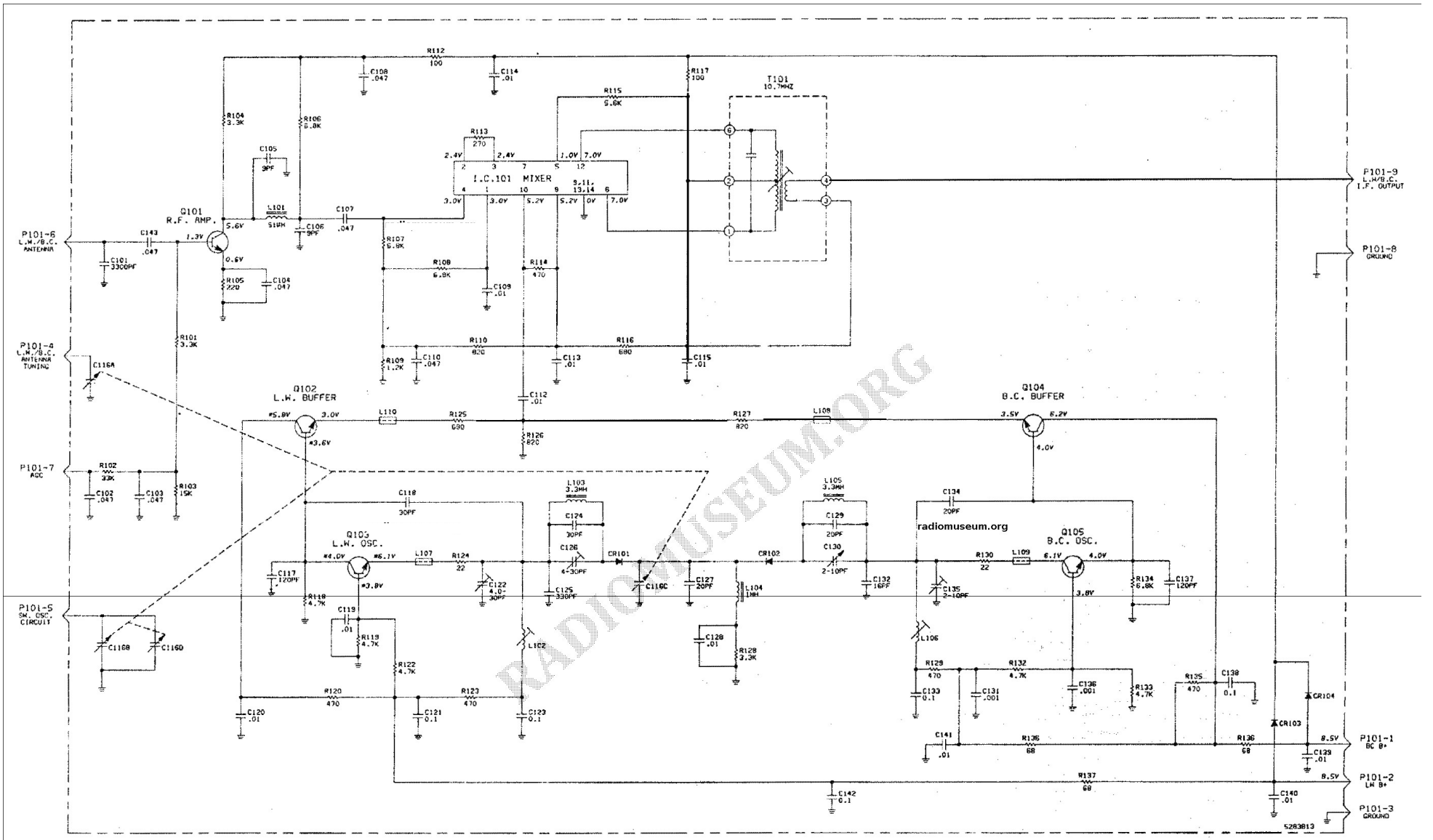
FIGURE C109 -- R7000, SW TUNER.



I.F. TERMINATION (BOTTOM VIEW)

T101

TRANSISTOR LEAD LAYOUT (LEAD END VIEW)

Q101.Q102.Q103
Q104.Q105

B = BASE
C = COLLECTOR
E = EMITTER

I.C. (TOP VIEW)

INDEX MARK

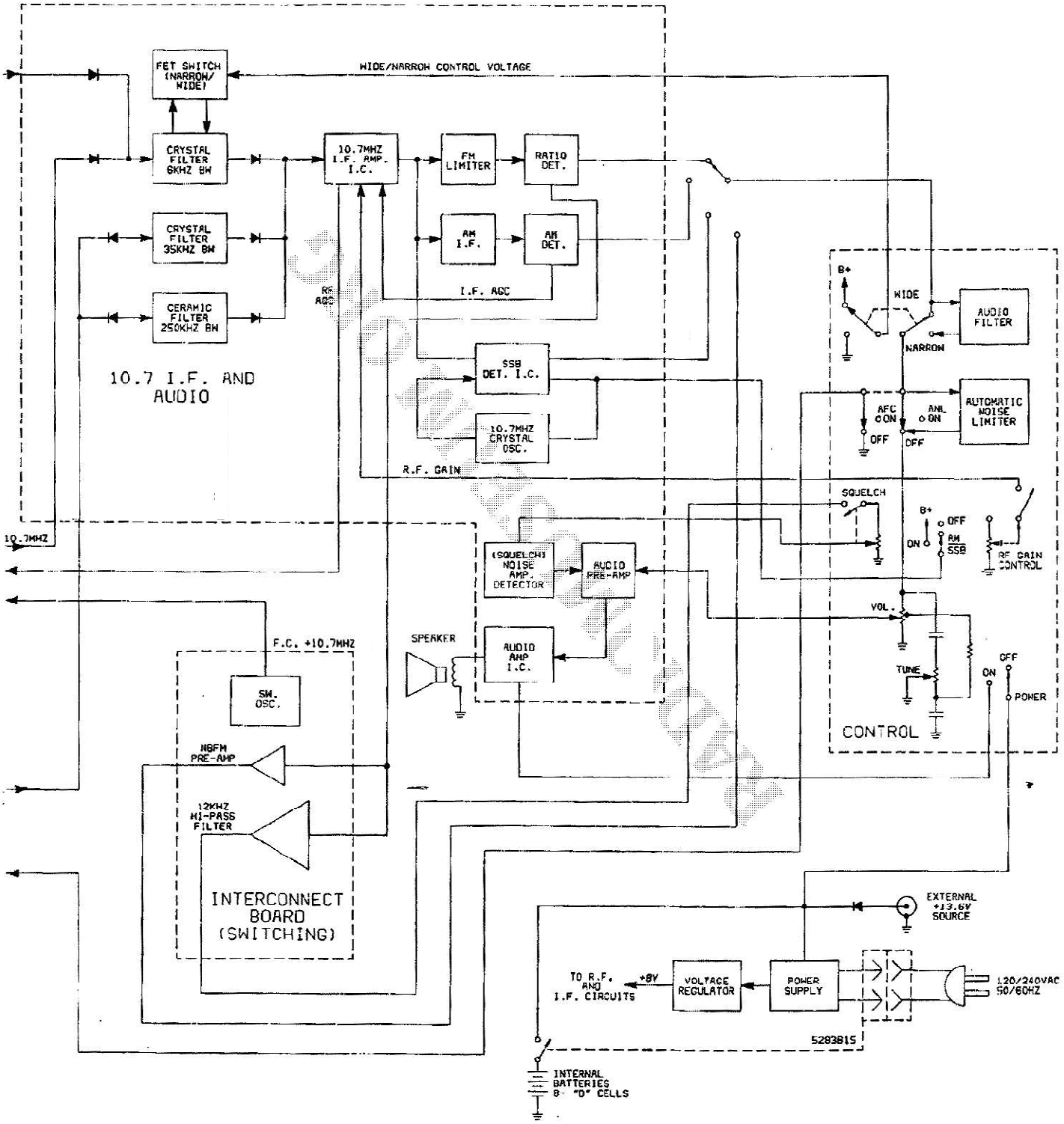
IC101

NOTES:

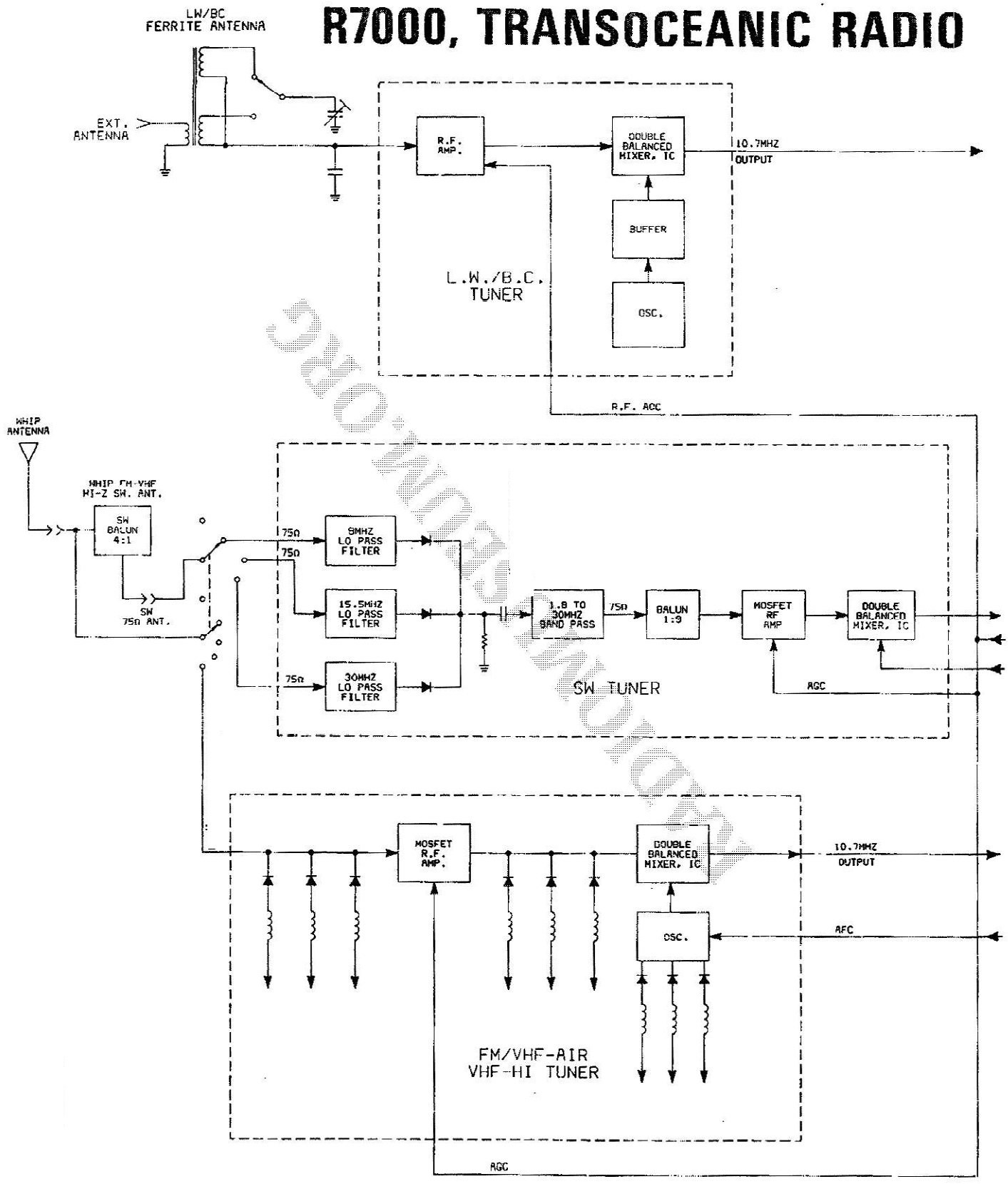
1. ALL CAPACITORS IN MICROFARADS UNLESS OTHERWISE SPECIFIED.
2. ALL RESISTORS ARE 1/4 WATT, ±5% TOLERANCE UNLESS OTHERWISE SPECIFIED.
3. * INDICATES ACTIVE VOLTAGES.

FIGURE C108 – R7000, LW/BC TUNER.

R7000, TRANSOCEANIC RADIO



R7000, TRANSOCEANIC RADIO



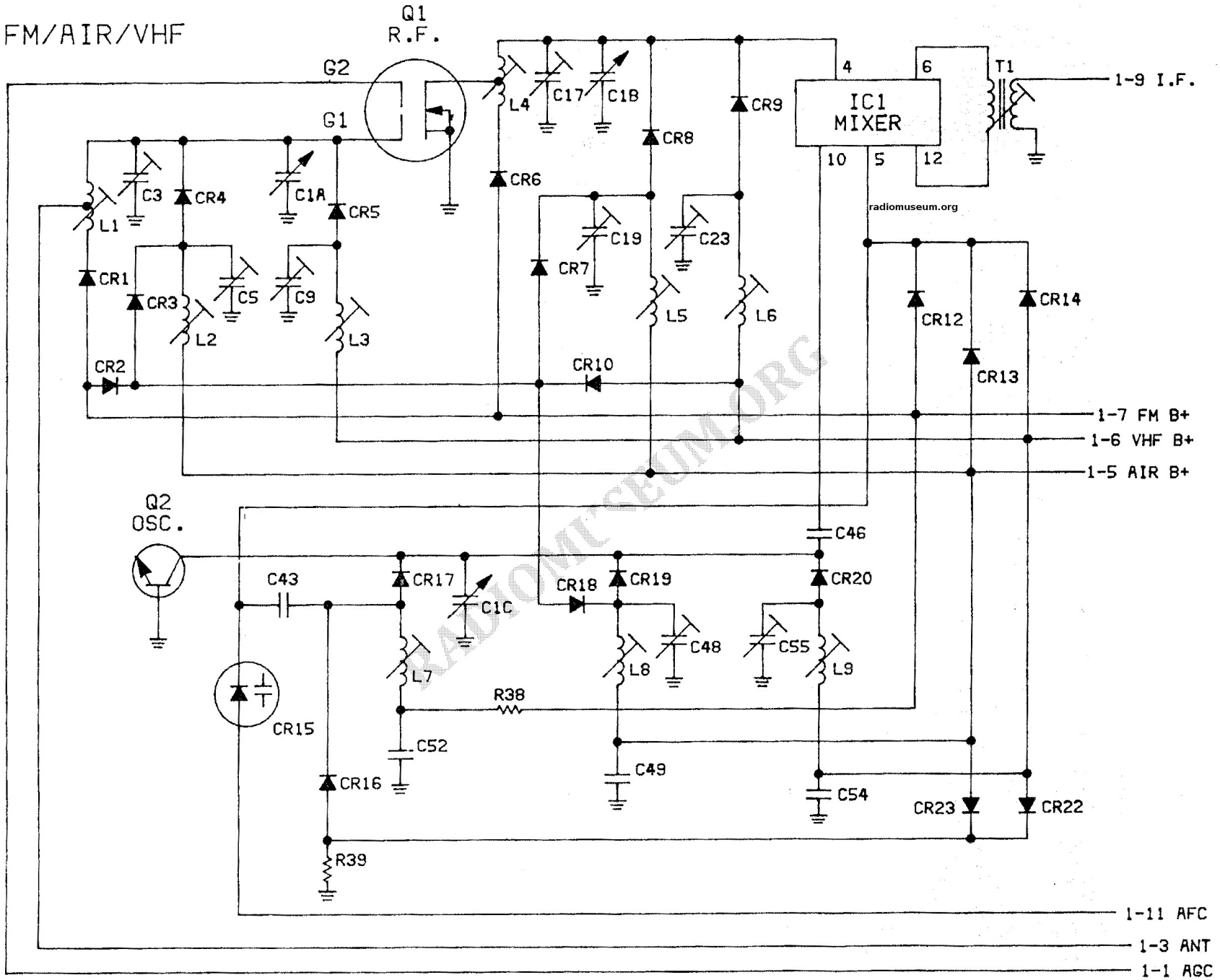
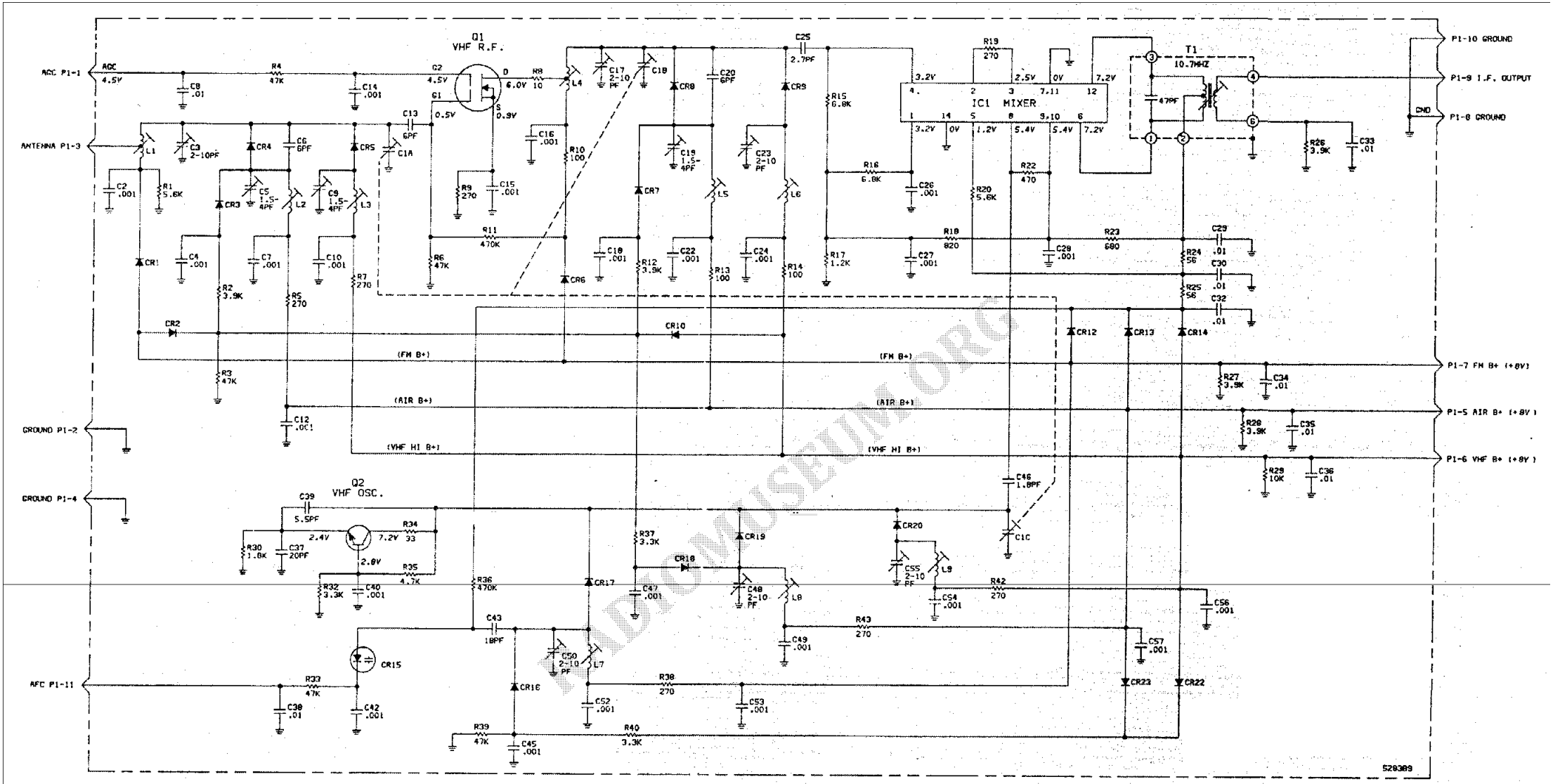


FIGURE C107 – R7000, BANDSWITCHING, SIMPLIFIED.



TRANSISTOR LEAD LAYOUT
(LEAD END VIEW)

Q2
NPN TYPE

B = BASE
C = COLLECTOR
E = EMITTER

Q1
F.E.T. TYPE

D = DRAIN
G1 = GATE1
G2 = GATE2
S = SOURCE

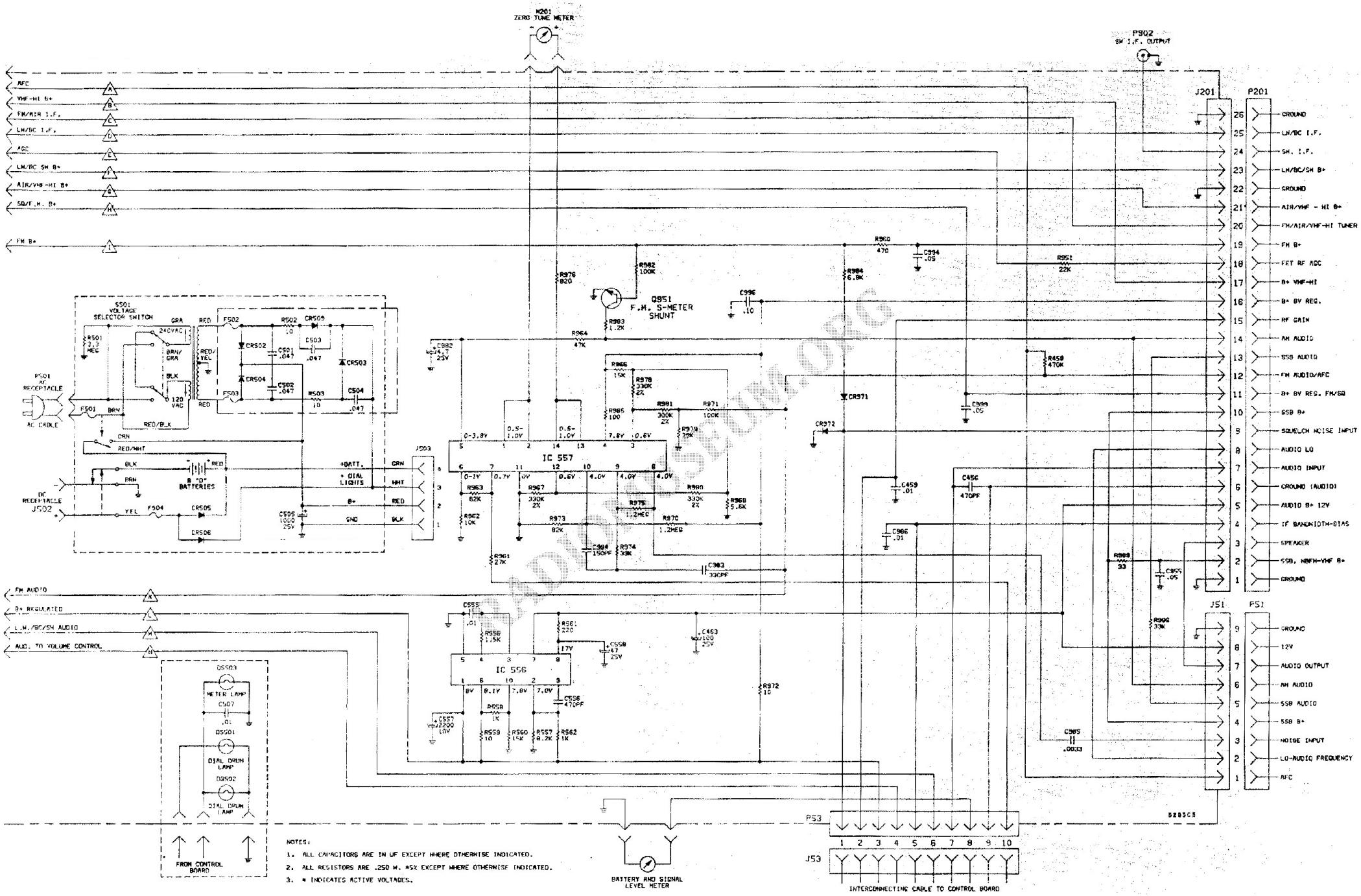
IC 1
(TOP VIEW)

I.F. TERMINATION
(BOTTOM VIEW)

NOTES:

1. ALL CAPACITORS IN MF UNLESS OTHERWISE SPECIFIED.
2. ALL RESISTORS ARE .250 WATTS. 5% TOLERANCE UNLESS OTHERWISE SPECIFIED.
3. ALL VOLTAGES INDICATED ARE WHEN BAND IS ACTIVE.

FIGURE C106 – SCHEMATIC, FM/AIR/VHF TUNER.



NOTES:

1. ALL CAPACITORS ARE IN UF EXCEPT WHERE OTHERWISE INDICATED.
2. ALL RESISTORS ARE .250 W. 5% EXCEPT WHERE OTHERWISE INDICATED.
3. * INDICATES ACTIVE VOLTAGES.

FIGURE C105 — R7000, INTERCONNECT BOARD, WITH POWER SUPPLY CIRCUIT.